SERIES, MULTIPLE AND MINIATURE

Incandescent Lamps

Rosettes

GILMORE ELECTRIC COMPANY,

SOUTH BOSTON, MASS.

SERIES, MULTIPLE AND MINIATURE

Incandescent Lamps.

..Rosettes..

GILMORE ELECTRIC COMPANY,

Office and Factory,
625-627 FIRST STREET.
Near L.

SOUTH BOSTON,
MASS.

SPECIAL NOTICE.

To facilitate shipments and save correspondence, we beg to call the attention of our customers to the following points.—

Parties having no account with us will save delay by sending cash or satisfactory references with the order.

C. O. D. orders must be accompanied with sufficient cash to cover transportation both ways. Regular terms sixty days or 2% cash discount if paid within ten days.

In ordering, give shipping directions, whether freight or express, and what line if any preference.

Where no directions are given we will use our best judgment, and will not allow claims as to best and cheapest transportation.

All our goods are packed by experienced shippers, and we cannot be held responsible for breakage in transit.

No claims allowed for shortage of any nature whatsoever, unless made immediately upon receipt of goods.

Our responsibility as shippers ceases upon delivery of goods at way station or wharf, with transportation company's receipt obtained for same in good condition.

INTRODUCTION.

The following pages illustrate the several styles of lamps we manufacture. Under each style is listed the candle powers and voltages we commonly supply. We make to order any candle power in any style.

UNANCHORED COIL FILAMENT LAMPS.

Are well adapted for general illuminations, when used vertically with tip down, especially for illuminating halls, and for out of door lighting. The single coil for 16 c. p. The double coil for 10 c. p. or less.

ANCHORED OVAL FILAMENT LAMPS.

For general illumination, where lamp is inclined or subject to jars.

TYPES M AND N.

To fill all the above requirements, and especially valuable where more useful light is required. See following pages.

OUR GUARANTEE.

All goods supplied by us if not as represented will be replaced free of charge.

NOTE.—Do not wait until goods are used up. If they are not satisfactory write us at once.

Light.

Users of incandescent lamps are beginning to realize that no one style of lamp will fill all requirements; one case required horizontal, another vertical light:

For convenience we will divide the light given from an incandescent lamp into three parts.

LOST LIGHT. That part thrown into the base of the lamp and lost, or thrown so high that it is of no value.

HORIZONTAL LIGHT. Light from a lamp between the angles of 45 degrees above to 50 degrees below the horizontal.

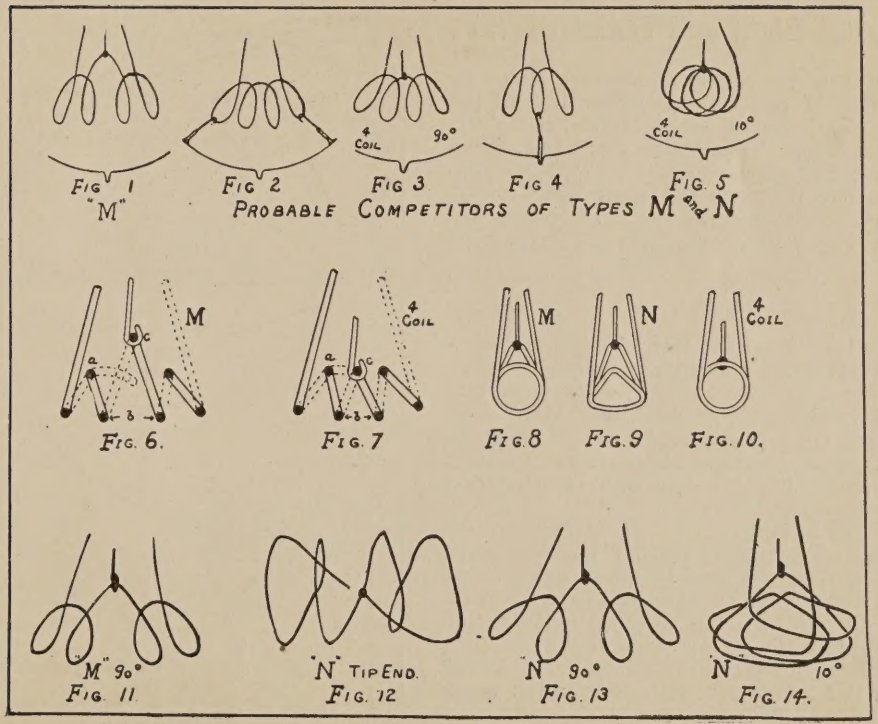
USEFUL OR VERTICAL LIGHT. Light between the angle of 40 degrees either side of the tip.

The sum total of these three parts constitute *Spherical Light.*

We claim that what we call Useful Light is in most cases the most valuable, but there are some cases, where Horizontal Light is equally valuable.

TYPES M AND N.

A lamp to give vertical or useful light must of necessity be one containing a filament with several coils or convolutions. These coils must have sufficient rigidity and in order to get this must be anchored. At the present time our Types M and N are the only anchored filament lamps that give a large amount of useful light. In perfecting this lamp we made over twenty different styles of lamps, mostly anchored, but all except Types M and N had some undesirable electrical or mechanical feature. Fig's 2, 3 and 4 were among the best, but even these were not satisfactory. The principal difficulty of anchoring a filament of many coils is illustrated in Fig's 6 and 7. If coil (c) is held rigid, coil (a) will in vibrating short circuit on the anchor and burn out the filament. The end of the anchor might be insulated, but that would be unmechanical and clumsy. Again, an anchor direct on the coil does not allow proper expansion and contraction of the filament due to turning on and off the current. Fig's 2 and 4 show a form of anchor that lacks mechanical strength, obstructs the light and does not at all support the coils. Compare Fig's 5 and 14 for liability of coils to strike anchor. Note that in Type M the coils can be separated at (b) so as to spread the light around the tip, impossible in the 4 coil type.



For STREET SERIES see Pages 21-24.

Horizontal Light and Standard C. P.

It has been the custom to measure lamps by the horizontal candle-power regardless of the large or small amount of light thrown in the useful direction. This is not a fair test, for if you measure two lamps (according to this standard) the one that has the most light in the horizontal and least in the vertical direction will have the longest life, and apparently be the most efficient.

Law.

It follows from the law of conservation of energy that several filaments of exactly the same length, diameter and risistance, will give exactly the same total light, (spherical light) at the same consumption of energy. Regardless of the shape of the filament. But the shape of the filament does determine how this total light is distributed in the various directions.

In order to demonstrate the above facts we have made a great many tests. The test shown in Fig. 15 were made on lamps so constructed that the light usually lost in the base could be measured. The filaments were all made out of the same piece of fibre, and measured very carefully before and after carbonizing. In every way all the lamps received exactly the same treatment.

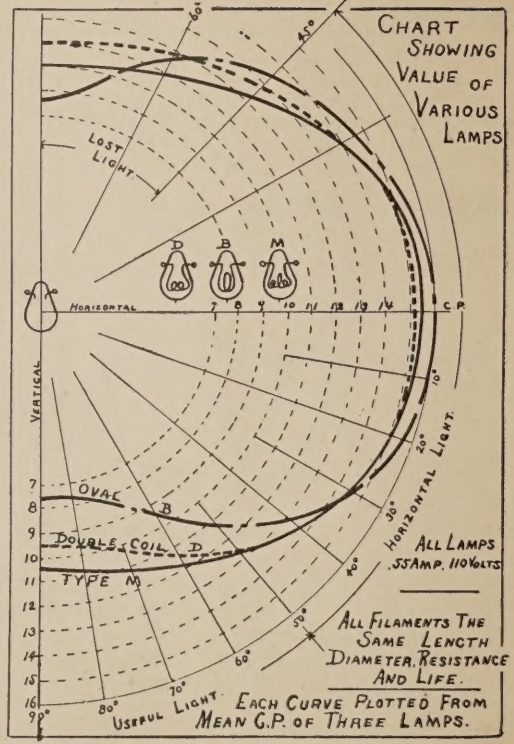


FIGURE 15.

MINIATURE and CANDELABRA Pages 14-20.

Relative Values.

Curves in Fig. 15 show the relative values of the three types only as far as distribution of candle-power is concerned, and do not consider the value of anchors, etc. By changing the size of the coils, slightly different results were obtained, but in all the tests the relative values were about as shown. In Fig. 16 we show five types of lamps all with the same horizontal rating (16 candle-power).

The accompanying table shows the distribution of light, energy, etc., for four types of lamps all of the same life.

Lamps are of the same life when the watts per spherical candle-power is the same. (Lost light must be considered in the spherical light). In this table a 3½ watt oval filament lamp has been taken as a standard by which to compare the others.

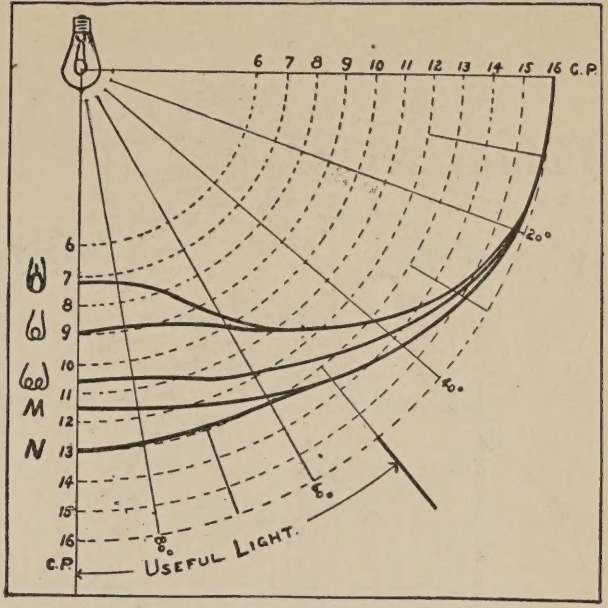
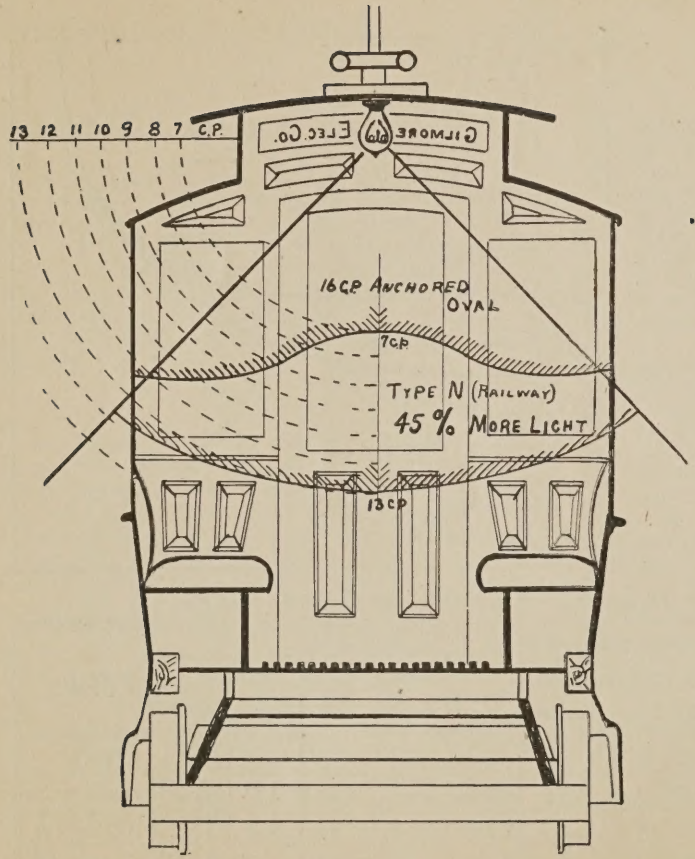


TABLE SHOWING DISTRIBUTION OF LIGHT IN LAMPS OF SAME LIFE.

TYPE	RATED CANDLE POWER		MEAN CANDLE POWER				WATTS.					TYPE
								PER CANDLE POWER				
	HOR.	VER.	SPHERICAL	HOR LIGHT	USEFUL LIGHT	LOST LIGHT	TOTAL	HOR.	VER.	SPH.	USEFUL	
OVAL	16	7.5	12.6	14.85	8.9	11.0	56.6	3.81	7.55	4.5	6.36	OVAL
DOUBLE COIL	16	10.5	13.75	15.15	11.4	12.8	61.8	4.07	5.90	4.5	5.42	DOUBLE COIL
TYPE M	16	11.5	13.65	15.15	12.4	11.7	61.4	4.05	5.34	4.5	4.95	TYPE M
TYPE N	16	13.0	14.2	15.2	13.1	12.8	63.8	4.20	4.90	4.5	4.90	TYPE N



Street Railway Lamp.

Types N 1 and N 2.

Can you afford to use any other?

Type N 1 gives more light for less power.

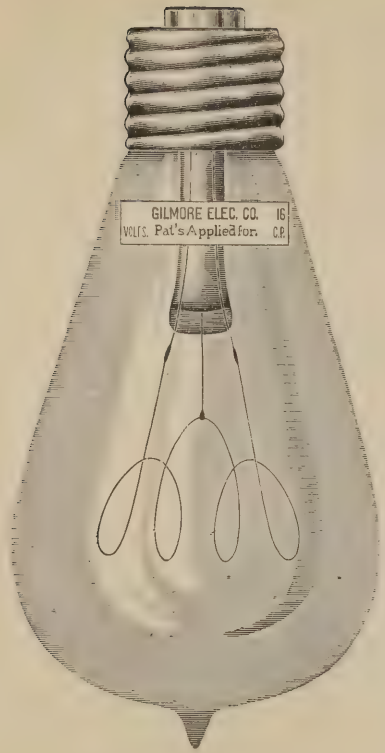
Type N 2 gives 45% more light for same power.

You should at least equip a few cars for trial. If they are not satisfactory you can return.

Remember,

THEY
ARE ANCHORED.
HAVE 4 COILS.
GIVE 45% MORE LIGHT.

ROSETTES Pages 28-29.



Cut ¾ Size.

TYPE M.

Patent Applied For.

Code Word ATTACK.

100-125 Volts. 16-32-50 Candle Power.

200-300 Volts. 16-32-50 Candle Power.

TYPE N.

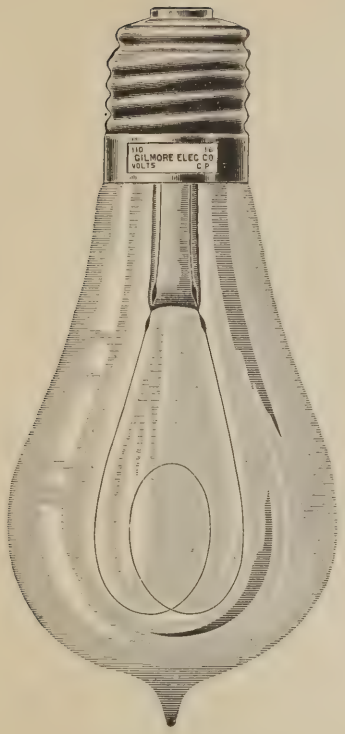
Code Word ASTRAY.

Railway and Steamboat Lamp.

100-125 Volts. 16-32 Candle Power.

In ordering state Type and Number.

TYPE NO. Amount Extra Useful Light.	MEAN USEFUL LIGHT.	LAMPS PER H.P. Electrical.	LAMPS PER H.P. Mechanical	
16 c. p. 3½ watt Anchored Oval	8.9 c. p.	13	10.7	Regular Anchored Oval Lamps.
16 c. p. 4 watt Anchored Oval	8.9 c. p.	11.6	9	Introduced for comparison only.
M 1 20% More Useful Light	10.75 c. p.	14.3	11.5	For Central Stations and Isolated Plants having the Best of Regulation.
M 2 38% More Useful Light	12 4 c. p.	13	10.7	**Economy. Good Life.**
M 3 20% More Useful Light	10.75 c. p.	13	10.5	For Plants with Ordinary Good Regulation.
M 4 38% More Useful Light	12 4 c. p.	12.4	10	**Very Good Life. Medium Economy.**
N 1 35% More Useful Light	12 c. p.	11.6	9	For Street Railways and Plants having Poor Regulation.
N 2 45% More Useful Light	13.1 c. p.	10.5	8.7	**Very Long Life.**



16 C. P. ¾ Size.

TYPE A.

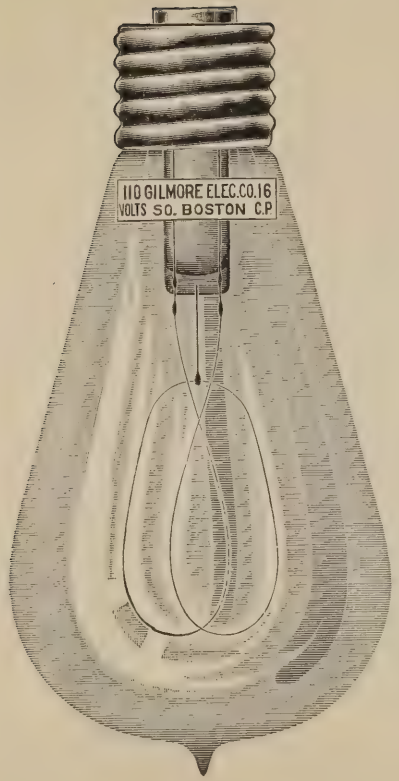
Code Word ASP.

Candle Power 16 and 32.
All Voltages 50 to 125.
Filament Single Coil.

Standard package,	16	c. p.,	250
" "	32	"	150

Made also in Frosted or Artificially Colored Bulbs.

Natural Colored Bulbs see Page 12.



16 C. P. ¾ Size.

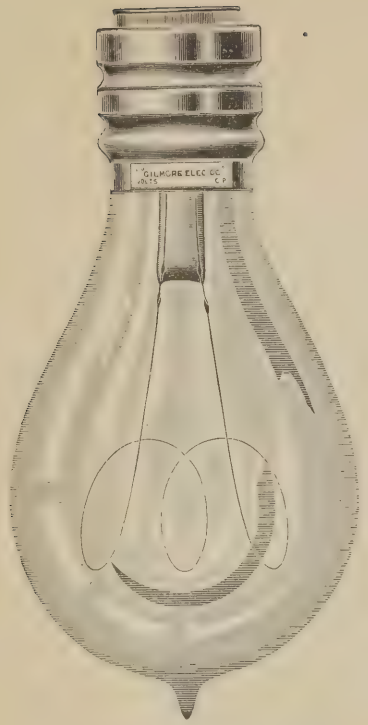
TYPE B.

Code Word ASPIRE.

Candle Power 8, 10, 16, 32, 50.
All Voltages 90 to 125.
Filament Oval Anchored.

C. P.	VOLTS.	STANDARD PACKAGE.
8	90 to 125	300
10	90 to 125	300
16	90 to 125	250
32	90 to 125	100
50	90 to 125	100

Made also in Frosted or Artificially Colored Bulbs.



Cut represents our 16 C. P. Bulb, ¾ size.

TYPE D.

Code Word ASSENT.

Candle Power 8, 10, 16, 20, 25.
All Voltages 100 to 125.
Filament Double Coil.
Standard Package 250 to 300.

COLORED BULBS.

Types A and D.

10 c. p.	Ruby, Green and Blue.
16 "	Ruby, Green, Blue, Amber, Opal and Canary.
32 "	Ruby and Opal.

Lamp furnished Frosted and Artificially Colored.

TYPE E. Code Word ARON.



Cut ¾ Size.

Tubular or Bunghole.

Size 1¼ by 6 inch.
Candlepower 8, 10 and 16.
All voltages 50 to 125.

Plain, Frosted or Artificially Colored.

Round Bulb or Decorative.

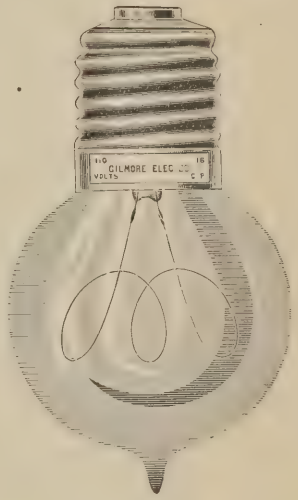
Bulbs 2 and 2½ inch diameter.
Candlepower 8, 10 and 16.
All voltages 50 to 125.

2 in. Bulbs Plain, Frosted, Natural Colored, Red, Blue, Green, Amber, Opal or Artificially Colored.

2½ in. Bulbs Plain, Frosted or Artificially Colored.

TYPE F.

2 in. Code Word ARGENT.
2½ in. Code Word ARMS.



Cut ¾ Size.

Miniature Incandescent Lamps.

IMPORTANT.

Miniature Series.

In burning lamps in Series it is necessary, in order to get good results, that each of the lamps in any one series should be the same within three one-hundredths of an ampere.

The **Voltage** may vary but the sum of the voltages in any series must be within three volts of the voltage of the circuit.

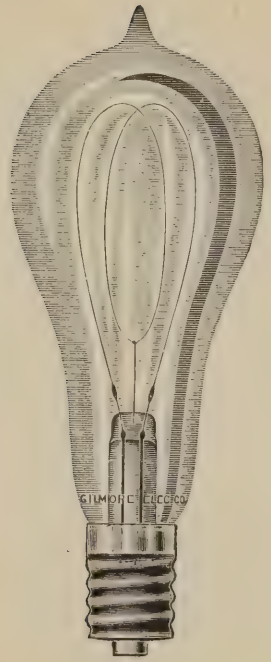
If a lamp burns out replace with a lamp of the same voltage and amperes.

When **Ordering** Series lamps to replace burned-outs always state the voltage and amperes of those in use, also voltage of circuit.

Miniature Multiple.

In ordering Multiple Sign and Candelabra lamps the voltage of the circuit should be specified.

By following suggestions you will save trouble, delay and expense.



Cut Full Size.

TYPE G.

Code Word ASSIST.

SERIES OR MULTIPLE CANDELABRA, SIGN OR DECORATIVE LAMPS.

Will fit Candelabra or No. 2 Receptacle.

Candle Power 6 and 8.
In Multiple on 50-60 and 110-120 Volt.
2 in Series on 100-120 Volt.

Current for 50-60 Volt, $\frac{6}{10}$ Amp. approximately.
" " 100-102 " $\frac{3}{10}$ " "

A popular lamp for illuminated signs having large letters.

Plain, Frosted or Artificially Colored.



Cut Full Size.

TYPE H.

Code Word ASTER.

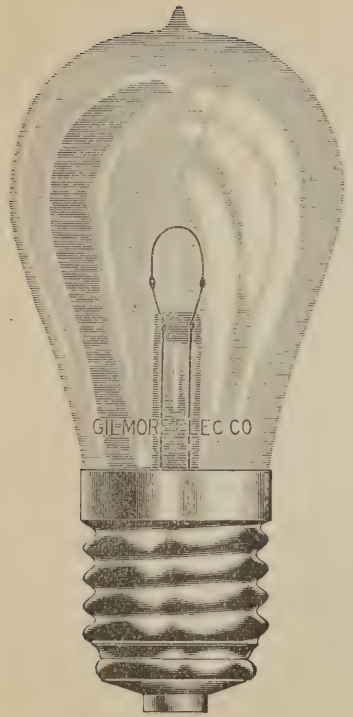
SERIES OR MULTIPLE CANDELABRA LAMP.

Will fit Receptacles Nos. 2 and 3.

Candle Power 10 or 12.
In Multiple on 50-60 and 110-120 Volts.
2 in Series on 110-120 Volts.

Current approximately .65 amperes.

Plain, Frosted or Artficially Colored.



Cut Full Size.

TYPE I.

Code Word AWK.

HIGH EFFICIENCY BATTERY LAMP.

For automobiles and other purposes where storage batteries are used.

Must not be used in series.

Candle Power 6 to 10. Volts 6 to 25. Any Efficiency.

NOTE. — MADE TO ORDER ONLY.

Plain, Frosted or Artificially Colored.

TYPE J.

AUTOMOBILE LAMPS.

Will fit Receptacles Nos. 2 and 3.

3 C. P., 14 and 22 volts, approximately .75 and .33 amperes.

5 C. P., 22 volts, approximately .50 amperes.

8 C. P., 22 volts, approximately .75 amperes.

GILMORE ELECTRIC CO.

Special Series Lamps.

TYPE J.
Code Word ATHLETE.

Cuts Full Size.

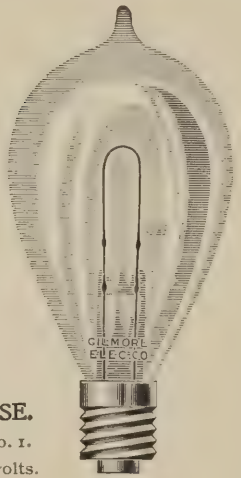


1 C. P.

1 C. P.

Current approximately $\frac{1}{3}$ amp.

Used for sign and decorative work where lamps are to be placed close together.



MINIATURE BASE.

will fit Receptacle No. 1.

8 in Series on 100-125 volts.
4 " " " 50-60 "

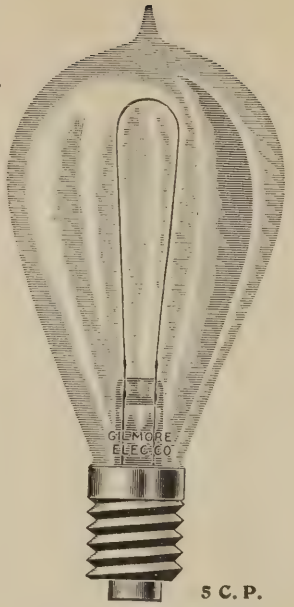
3 C. P.

3 C. P.

Current approximately 1 amp.

Used for decorative work where lamps ARE NOT required to be close together.

Made also 6 c. p. for automobiles. Voltage 12-14. Miniature or Candelabra base.



5 C. P.

CANDELABRA BASE.

Will fit Receptacles Nos. 2 and 3.

4 in Series on 100-125 Volts.
2 " " " 50-60 "

Current approximately .75 amperes.
Used for decorative purposes.
Can also be used to advantage in illuminations covering large area.

Made in Plain, Frosted or Artificially Colored Bulbs. Ruby, Blue, Green.

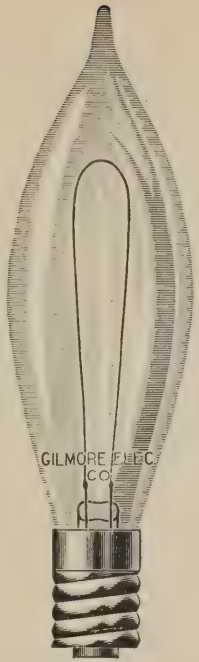


Cut Full Size.

TYPE K. Code Word ATOM.

6 and 8 Candlepower will fit Receptacles Nos. 2 and 3. 2 or 3 in series on 100 to 120 volt. In Multiple on 50 to 60 volt. Current Approximately .50 Amperes.

Plain, Frosted and Artificially Colored.

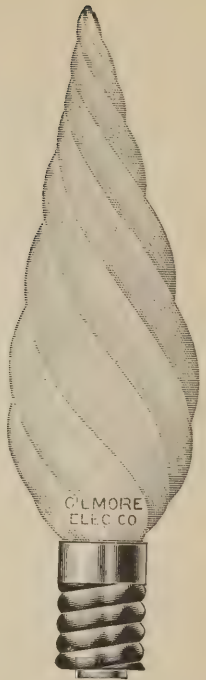


Cut Full Size.

TYPE L. Code Word ATROPHY.

6 and 8 Candlepower will fit Receptacles Nos. 2 and 3. 2 or 3 in Series on 100 to 120 volt. In Multiple on 50 to 60 volt. Current Approximately .50 Amperes.

In Multiple on 100 to 120 volt. Slightly larger bulb. Current Approximately .30 Amperes.



Cut Full Size.

TYPE O. Code Word AUBURN.

NOTICE.

Particular attention should be paid to Rosettes, pages 28 and 29.

20

Best goods made. Lowest prices.

Type M and N Lamps, pages 8 and 9.

"DO YOU WANT USEFUL LIGHT."

Gilmore Street Series Lamps.

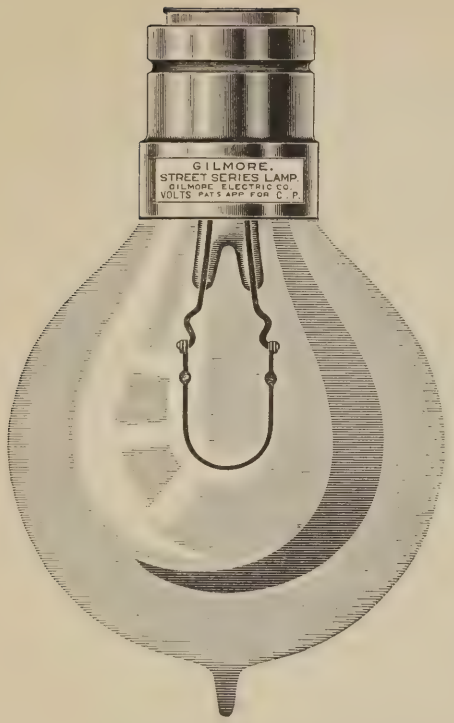
We solicit a trial of our SERIES LAMPS.

WE CLAIM THAT OUR LAMPS ARE BETTER THAN ANY OTHER MAKE, as they will MAINTAIN candle power BETTER, and have LONGER LIFE at STATED EFFICIENCY.

TESTS have shown that our lamps are superior.

If you are interested in securing the BEST you cannot afford to use any other than

THE GILMORE.



25 C. P. ¾ Size.

TYPE C.

GILMORE ELECTRIC CO.

Series Lamps.

WILL

- MAINTAIN CANDLE POWER BETTER.
- HAVE LONGER LIFE AT STATED EFFICIENCY THAN ANY OTHER MAKE.

Price List

Gilmore Series Lamps.

ALTERNATING SYSTEM.

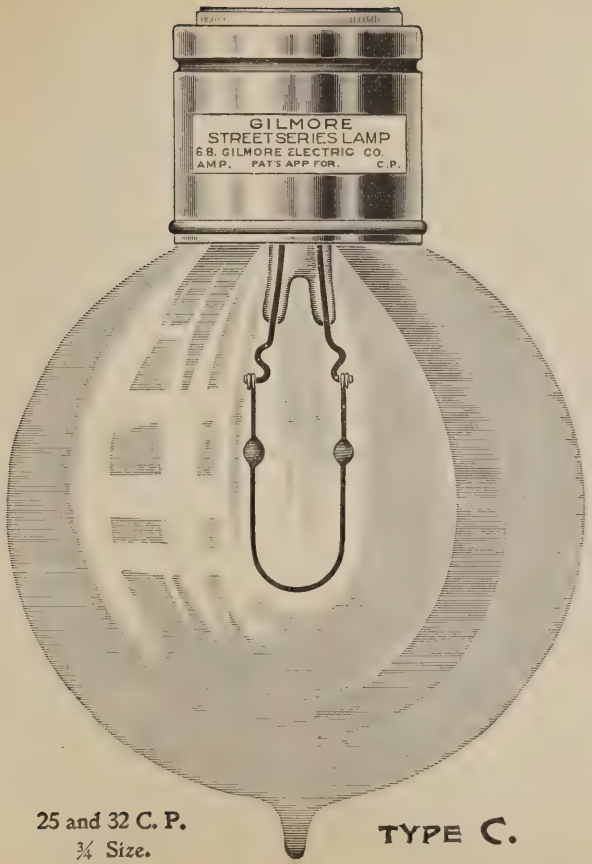
Current below 6 amperes. T. H., Bernstein, or Heisler Base.

16, 20, 25, 30 and 32 Candle Power	$ .65
40 Candle Power	.75
45, 50 and 60 Candle Power	.85

SPECIAL PRICES.

We give special prices on contracts for year's supply.

We make a LIBERAL ALLOWANCE for old Lamp Bases.



25 and 32 C. P.
¾ Size.

TYPE C.

GILMORE ELECTRIC CO.

Points of Excellence.

VACUUM.

MAINTENANCE OF CANDLE POWER.

LENGTH OF LIFE.

Price List

Gilmore Series Lamps.

ARC SYSTEM.

Current 6 amperes and above.

T. H., Bernstein or Heisler Base.

20, 25, 30 and 32 Candle Power $1.00
40, 45 and 50 Candle Power. . 1.15
65, 75, 100 and 125 Candle Power 1.30

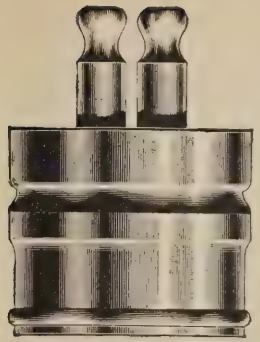
SPECIAL PRICES.

We give special prices on contracts for year's supply.

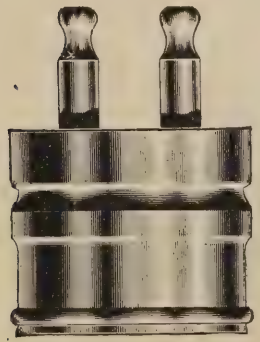
We make a LIBERAL ALLOWANCE for old Lamp Bases.

¾ Size Cut of Our 100 C. P.

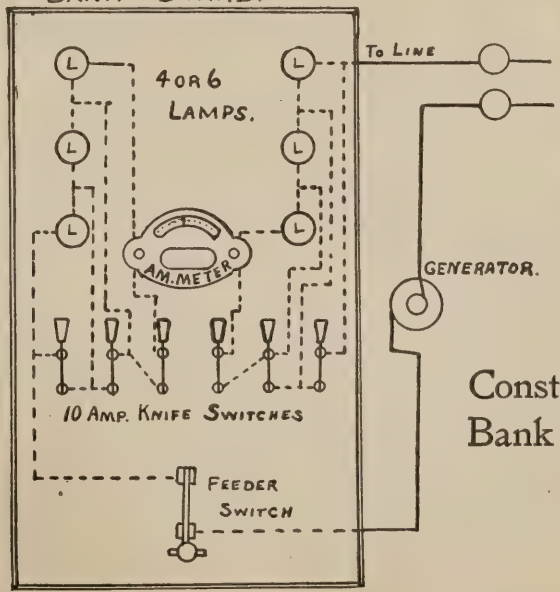
T.-H. SERIES BASE, Small, see Page 22.
T.-H. SERIES BASE, Large, see Page 23.

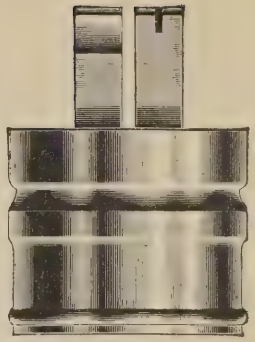


No. 3 Heisler Base.
Will also fit Bernstein Socket.



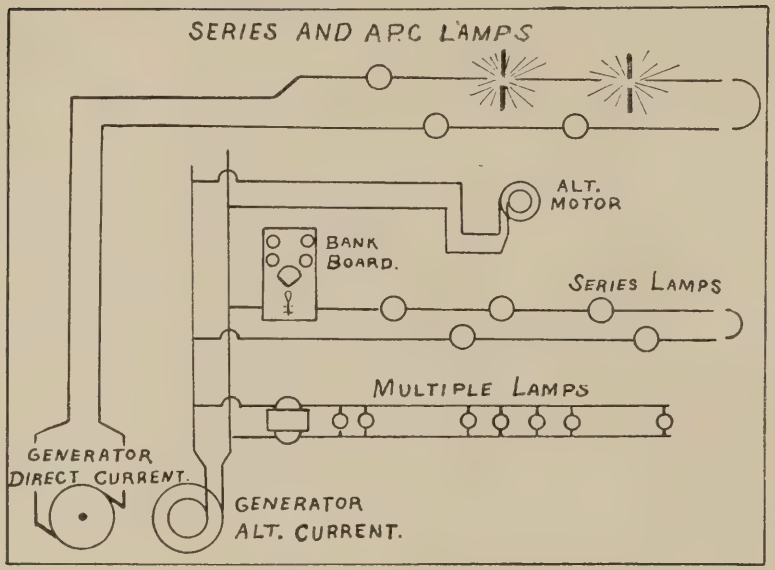
No. 2 Heisler Base.





Bernstein Base.

Construction of Bank Board.



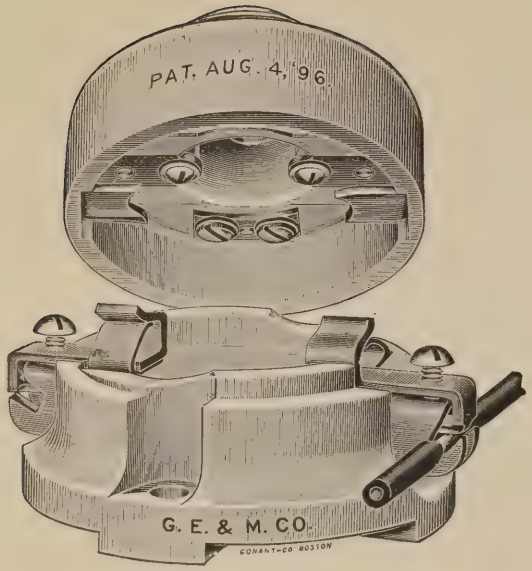
METHOD OF WIREING FOR DIRECT AND ALTERNATING CURRENT

For BANK BOARD See Page 25.

GILMORE ELECTRIC CO.

...*ROSETTES*...

GILMORE and LITTLE DIAMOND.



Gilmore or '96 Rosette.

CLEAT
CONCEALED
COMBINATION.

HIGHEST GRADE.

FEW EQUAL.

NONE SUPERIOR.

EASY TO TAKE APART. NO SCREW DRIVER; ONLY A QUARTER TURN.

MINIATURE LAMPS see Pages 14-20.

"Little Diamond."



The Best Cheap Rosette Made.

INTRODUCED TO SUPPLY THE DEMAND FOR A CHEAPER GRADE.

IF YOU WANT THE BEST USE THE GILMORE.

Otherwise "LITTLE DIAMOND" will fill the bill.

RAILWAY LAMPS see Page 9.

CLEAT CONCEALED COMBINATION....

TELEGRAPH CODE.

CODE IN GENERAL.

Abjectness . . Answer by mail.
Abjure . . . . Answer by telegraph, night message.
Abjuring . . . Answer by telegraph, day message.
Ablation . . . Letter in transit containing full particulars.
Able . . . . . Write giving full particulars.
Ablution . . . Referring to our telegram of . . .
Abnegate . . . Referring to your telegram of . . .
Abnegation. . Referring to our letter of . . .
Abnormal . . Referring to your letter of . . .
Abraham . . . Unless otherwise advised will assume that .
Abridging . . Will do the best we possibly can.
Abrogate . . . Do the best you possibly can.
Abrogation. . Will this be satisfactory?
Abrupt . . . . This is of the utmost importance.
Abruptly . . . Will be in New York on . . .
Abruptness . Will be in Boston on . . .

REGARDING ORDERS.

Absalom . . . Ship by express.
Absconding . Ship by freight.
Absented . . . Ship by prepaid express.
Absenting . . Ship by prepaid freight.
Absolutely . . Ship by express C. O. D.
Absolution . . Ship by freight with sight draft attached to bill of lading.
Absolutory . . Duplicate our order No. . . .
Absolve . . . Add to our order No. . . .
Absorb . . . . Cancel our order No. . . .
Absorbed. . . Too late to cancel; goods shipped.
Absorbing . . Do not understand your order. Send full details.
Absorbent . . Give list numbers of code words on your order No. . . .
Absorption . . Change our order of . . . to . . .

INQUIRIES REGARDING PRICES.

Abstain . . . At what price can you furnish . . .
Abstracted . . Quote us by telegraph on . . .
Abstractly . . Quote us by mail on . . .
Abstruse . . . Make quotation F. O. B. Boston.
Academic . . Make quotation F. O. B. Boston, with sight draft attached to bill lading.

REPLIES REGARDING PRICES.

Academical . . . . is our price on . . .
Academy . . . Cannot accept at price your order No. . . .
Accelerate . . This quotation F. O. B. Boston. We do not ship any other way.
Acceptance. . This quotation F. O. B. Boston. Freight rate per 100 lbs. we understand to be . . . cts.
Accented . . . This quotation F. O. B. Boston with sight draft attached.
Accessible . . Cannot better quotation.
Accessory . . We quote for immediate telegraph acceptance.
Accidental . . We will accept your order.
Acclimate . . Cash thirty days.
Accordion . . Cash sixty days.
Accosted . . . Your financial standing being unknown we will send goods C. O. D. unless otherwise advised.
Accountant. . Kindly send references as to your financial standing, or shall we ship by freight with sight draft attached to bill lading.

INQUIRIES REGARDING SHIPMENTS.

Accretion. . . How soon can you ship?
Accumulate . When did you ship our order No. . . .?
Accurate . . . Trace shipment of order No. . . .
Accursed . . . By what route did you ship our order No. . .?
Accusation . . Rush our order No. . . .
Accusing. . . If you cannot ship all at once, ship what you can and let the balance follow.
Accustom . . Hold for further advice order No. . . .
Acrobity . . . Have you shipped goods on our order, if not when will you?

REPLIES REGARDING SHIPMENTS.

Acetic . . . . Can ship complete on receipt of order.
Achieve . . . Can make partial shipment immediately and balance within a few days.
Achieving . . Cannot say definitely when shipment could be made. Probably in about . . .
Aching . . . . Have sent tracer as requested.
Achromate . . . . . is the number of your order which was shipped complete . . .
Acidity . . . . Can you ship at once from stock if advised immediately?
Acidness . . . . . is the number of your order on which a partial shipment was made . . .
Acidulous . . Will advise you later regarding balance.
Aconite . . . The delay will be considerable.
Acorn . . . . There will be little delay.
Acquaint . . . There will be a delay of . . .
Acquainted . There will be no delay.
Acquiesce . . . . . days your order can be shipped complete.
Acquiring . . . . . days from receipt of order we can ship if advised at once.

REGARDING QUANTITY.

Acquit . . . . One standard package.
Acquittal . . . Two standard packages.
Acrimony . . Three standard packages.
Acrobat . . . Four standard packages.
Acrostic . . . Five standard packages.
Acroterial . . One hundred.
Acting . . . . Two hundred.
Actiniform . . Two hundred and fifty.
Actinism . . . Three hundred.
Actively . . . Four hundred.
Activeness . . Five hundred.
Actual . . . . Seven hundred and fifty.
Actuate . . . . 25 each of the following.
Actuation . . 50 each of the following.
Actuosity . . 75 each of the following.
Acumen . . . 100 each of the following.
Acuminate . . 150 each of the following.
Acute . . . . 200 each of the following.
Adam . . . . . 250 each of the following.
Adamant . . . 500 each of the following.

STYLE OF LAMPS.

Type A	Asp.	Type K	Atom.
" B	Aspire.	" L	Atrophy.
" C	Assail.	" M	Attack.
" D	Assent.	" N	Astray.
" E	Aron.	" O	Auburn.
" F (″2) . . .	Agent.	" P	Austin.
" F (2½″) . . .	Arms.	" Q	Author.
" G	Assist.	" R	Autocrat.
" H	Aster.	" S	Autopsy.
" I	Awk.	" T	Avarice.
" J	Athlete.		

COLORED LAMPS.

Natural Colored.	Artificially Colored.
Green . . .	Asa . . . . . Astonish.
Blue	Ash . . . . . Astound.
Amber . .	Assessor . . . . . Astral.
Ruby . . .	Assiduous . . . . . Attain.
Opal . . .	Assuage . . . . . Attire.
Canary . .	Asterisk . . . . . Attic.

INCANDESCENT LAMP CODE.

REGULAR STOCK LAMPS.	EDISON.	T.-H.	WESTINGHOUSE.
. volts . . 4 watts . . 6 c. p.	Adequate	Albino	Amnesty.
104 volts . . 4 watts . . 6 c. p.	Adherency	Album	Ameret.
110 volts . . 4 watts . . 6 c. p.	Adherent	Albumen	Amphibian.
. volts . . 4 watts . . 6 c. p.	Adherently	Alburnous	Amphibious.
104 volts . . 4 watts . . 6 c. p.	Adhesion	Alchemy	Amphipoda.
110 volts . . 4 watts . . 6 c. p.	Adhesively	Alcohol	Amphoral.
. volts . . 3½ watts . . 10 c. p.	Adipose	Alderman	Amuse.
52 volts . . 3½ watts . . 10 c. p.	Adjourn	Aldine	Amusement.
100 volts . . 3½ watts . . 10 c. p.	Adjourned	Ale	Amusing.
104 volts . . 3½ watts . . 10 c. p.	Adjudicate	Alembic	Amusingly.
110 volts . . 3½ watts . . 10 c. p.	Adjunct	Alexander	Anaconda.
115 volts . . 3½ watts . . 10 c. p.	Adjunctive	Alfred	Andrew.
. volts . . 3½ watts . . 16 c. p.	Adjusting	Algernon	Anglo.
50 volts . . 3½ watts . . 16 c. p.	Adjustment	Alienation	Anglican.
52 volts . . 3½ watts . . 16 c. p.	Adjutant	Alimentary	Angus.
54 volts . . 3½ watts . . 16 c. p.	Administer	Alimony	Anthany.
75 volts . . 3½ watts . . 16 c. p.	Admirable	Aliquot	Apex.
100 volts . . 3½ watts . . 16 c. p.	Admission	Alkali	Aphorism.
104 volts . . 3½ watts . . 16 c. p.	Admittance	Alkanet	Aphrodite.
110 volts . . 3½ watts . . 16 c. p.	Admixture	Alkermen	Apocryphal.
115 volts . . 3½ watts . . 16 c. p.	Admonish	Alkoran	Apologue.
120 volts . . 3½ watts . . 16 c. p.	Admonition	Alkoranic	Apoplectic.
125 volts . . 3½ watts . . 16 c. p.	Adolphus	Allan	Apoplexy.
110 volts . . Railway . . 16 c. p.	Adornment	Allaying	Apostate.
. volts . . Railway . . 16 c. p.	Adrian	Allegiance	Apostolic.
. volts . . 3½ watts . . 20 c. p.	Adroitness	Allegoric	Apostrophe.
. volts . . 3½ watts . . 25 c. p.	Adulation	Allegory	Apparel.
. volts . . 3½ watts . . 32 c. p.	Agility	Allegiate	Appendage.
50 volts . . 3½ watts . . 32 c. p.	Agitate	Alliance	Appertain.
52 volts . . 3½ watts . . 32 c. p.	Agonize	Allegation	Appetizer.
54 volts . . 3½ watts . . 32 c. p.	Agony	Alligator	Applaud.
100 volts . . 3½ watts . . 32 c. p.	Agreeing	Allodium	Appliance.
104 volts . . 3½ watts . . 32 c. p.	Agreeable	Altercate	Apportion.
110 volts . . 3½ watts . . 32 c. p.	Ailment	Altitude	Apprehend.
115 volts . . 3½ watts . . 32 c. p.	Aimless	Ambrose	Apprentice.
120 volts . . 3½ watts . . 32 c. p.	Aimlessly	Amethyst	Apprise.
. volts . . 3½ watts . . 50 c. p.	Alacrity	Amicably	Archibald.

SPECIAL LAMPS.

. volts . . 3.1 watts . . 16 c. p.	Alarm	Amicable	Architect.
. volts . . 3¼ watts . . 16 c. p.	Albanian	Amity	Archness.
. volts . . 3½ watts . . 16 c. p.	Albatross	Ammodyte	Arctic.
. volts . . 4 watts . . 16 c. p.	Albert	Ammonia	Arduous.